

INTERNATIONAL SEARCH REPORT

International Application No.

EP 03/06902

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C22B21/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C22B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4 581 062 A (BOUTIN FRANCOIS R) 8 April 1986 (1986-04-08) the whole document	1-12
A	GB 615 590 A (SPOLEK) 7 January 1949 (1949-01-07) the whole document	1-12

☐ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

Z document member of the same patent family

Date of the actual completion of the international search

16 September 2003

Date of mailing of the international search report

25/09/2003

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Patton, G

BEST AVAILABLE COPY

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 03/06902

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 4581062	A	08-04-1986	FR 2564485 A1	22-11-1985
			DE 3517386 A1	21-11-1985
			JP 1612146 C	30-07-1991
			JP 2036651 B	20-08-1990
			JP 60255939 A	17-12-1985
			KR 9006378 B1	30-08-1990
<hr/>				
GB 615590	A	07-01-1949	NONE	
<hr/>				

BEST AVAILABLE COPY